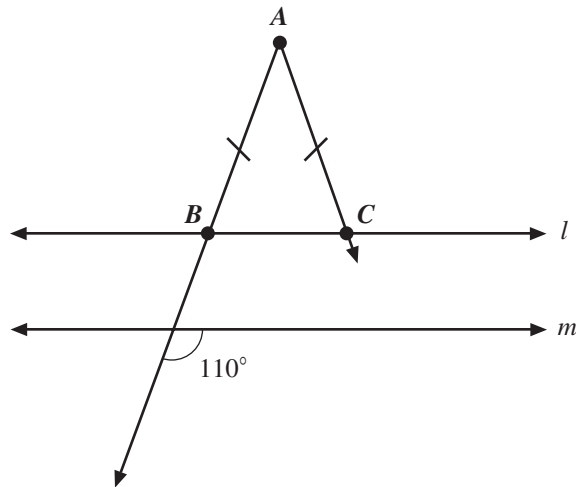


Use the figure below to answer question 33.



- 33 In the figure shown above, lines  $l$  and  $m$  are parallel, and  $\triangle ABC$  is isosceles. What is the measure of  $\angle ABC$ ?
- A.  $40^\circ$
  - B.  $50^\circ$
  - C.  $60^\circ$
  - D.  $70^\circ$

Reporting Category for Item 33: **Geometry**

## Mathematics, Grade 8

- 34 Which equation states a rule for the pattern shown in the table below?

<b>Input (x)</b>	1	2	3	4
<b>Output (y)</b>	1	5	11	19

- A.  $y = x^2 - x + 1$
- B.  $y = x^2 + x - 1$
- C.  $y = x^2 + 3$
- D.  $y = x^2 + 1$

Reporting Category for Item 34: *Patterns, Relations, and Algebra*

- 35 In the equation shown below,  $x$  represents a positive real number.

$$y = \frac{100}{x} + 50$$

As the value of  $x$  gets larger, what happens to the value of  $y$ ?

- A. The value of  $y$  stays the same.
- B. The value of  $y$  increases.
- C. The value of  $y$  approaches 50.
- D. The value of  $y$  approaches 100.

Reporting Category for Item 35: *Patterns, Relations, and Algebra*

- 36 Which is equivalent to  $p \div \frac{1}{10}$ ?

- A.  $10p$
- B.  $0.1p$
- C.  $\frac{p}{10}$
- D.  $0.01p$

Reporting Category for Item 36: *Number Sense and Operations*